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SEQUENCE LISTING

<110> The University of Queensland

<120> EXPRESSION MODULATING SEQUENCES

<130> 2422800/EJH

<140> US

<141> 2001-06-13

<150> US 60/211,159

<151> 2000-06-13

<160> 60

<170> PatentIn version 3.0

<210> 1

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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuuucugc cacucuuugg gauguuucuu cuuaaggaag cugaaaaacg      240
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agacgcc                                           307

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 gagacgcc 188

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<400> 9

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<400> 13

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21

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<210> 14

<211> 27

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<213> primer

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<210> 15

<211> 27

<212> DNA

<213> primer

<400> 15

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<210> 16

<211> 17

<212> DNA

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<400> 16

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<210> 23

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<212> DNA

<213> primer

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<210> 28

<211> 27

<212> DNA

<213> primer

<400> 28

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<210> 29

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<212> DNA

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<400> 29

gctagcagtt tccagccctg gaccacg 27

<210> 30

<211> 27

<212> DNA

<213> primer

<400> 30

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<211> 21

<212> DNA

<213> primer

<400> 31

agactccagc cctggaccgc g 21

<210> 32

<211> 21

<212> DNA

- 9 -

<213> primer

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ggcgtctcag aggaggggtgt g

21

<210> 33

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<212> DNA

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<400> 33

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gactcaccct ctcccagaag gagacctggg gctcagaggc aatatgggggt tgggagagtt	180
tggggagagc aattaggaag tttgggtggt ttcttggttt gctttaattt gtgccttctt	240
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cgggaggagg ctgggtgggt ttctaacaat gtggtgtagg ccgtaaaaaa atccctagga	660
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gggaaacctt gttttgacct tctgacctca agaccaccgg ggcaactgaa gccaggcgcc	780
gggagacccc tactggggca gaacgggacc actggctact gccagcttgt gtatcccttg	840
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<212> DNA

<213> mouse

<400> 34

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gacttgtgtt ggatcagtta gtocctaaca ttcccttgta catacagaga ctgtggatcc	180
ccaagactga acggctgctt ctgccactc tttgggatgt ttcttcttaa ggaagctgaa	240

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aaacgttatt gatttccatg accagtttct gagatgaggg ttagagggtac aaggacatg 300
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agacgcc 427

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<210> 36
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<212> DNA
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cctccgcctc ccaggttcaa gcgattcttc tgcctcagcc ttccgagtag ctgggattac 240
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cgtaggaatt acaggcgtga gccactgtgc ccggctcagt gatgctcttt tcaactcgaa 420
ttccgtggca gatgtcttag aggggtgggg gataccaggg atgttctgcc caggattctg 480
tgcttgagac tgctgtctga cagtctctat ttcctccacc tttataccta ccttcccttt 540

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<210> 37

<211> 22

<212> DNA

<213> primer

<400> 37

ttgagctcag ttccagccct gg 22

<210> 38

<211> 20

<212> DNA

<213> primer

<400> 38

aaccatggcg tctcagggaa 20

<210> 39

<211> 18

<212> DNA

<213> primer

<400> 39

ggtttcccag tcaccgac 18

<210> 40

<211> 21

<212> DNA

<213> primer

<400> 40

acacaggaaa cagctatgac c 21

<210> 41

<211> 307

<212> RNA

- 12 -

<213> mouse

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gcgccucucc cacauacuag aaauccucc cuuucugag guugggauga agaagcaguu      120
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuucugcc cacucuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
agacgcc                                           307

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<210> 42

<211> 307

<212> RNA

<213> mouse

<400> 42

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gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuucugcc cacucuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
agacgcc                                           307

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<210> 43

<211> 307

<212> RNA

<213> mouse

<400> 43

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gcgccucucc cacauacuag aaauccucc cuuucugag guugggauga agaagcaguu      120
gggacggcca gcuggagguc ugcgugguag agggaacucc agagacugug gaucaccaag      180
acugaacggc ugcuucugcc cacucuugg gauguuucuu cuuaaggaag cugaaaaacg      240
uuauugauuu ccaugaccag uuucugagau gaggguuaga ggucuccuca uccuucccug      300
agacgcc                                           307

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<210> 44

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<210> 47
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 gcgccucucc cacauacuag aaaucucucc cuuucuugag guugggauga agaagcaguu 120
 gggacggcca gcuggagguc ugcgugguag agggaacucc aggucccccuc auccuucccu 180
 gagacgcc 188

<210> 48
 <211> 188
 <212> RNA
 <213> mouse

<400> 48
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 gcgccucucc cacauacuag aaaucucucc cuuucuugag guugggauga agaagcaguu 120
 gggacggcca gcuggagguc ugcgugguag agggaacucc aggucccccuc auccuucccu 180
 gagacgcc 188

<210> 49
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 <212> RNA
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<400> 49
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 gagacgcc 188

<210> 50
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 <212> RNA

- 15 -

<213> mouse

<400> 50

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uucccugaga cgcc 74

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<210> 51

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uucccugaga cgcc 74

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<210> 52

<211> 74

<212> RNA

<213> mouse

<400> 52

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uucccugaga cgcc 74

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<210> 53

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<400> 53

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uucaugcggu uaaguugaag aggcuggagg gauggcuagc uggaugucug cguuguagag 180
agguaacccc agugucccca caccuccuc ugagacgcc 219

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<210> 54

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<212> RNA

<213> human

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uucaugcggg uaaguugaag aggcuggagg gauggcuagc uggauugucug cguuguagag	180
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<210> 55

<211> 219

<212> RNA

<213> human

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uucaugcggg uaaguugaag aggcuggagg gauggcuagc uggauugucug cguuguagag	180
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<212> RNA

<213> human

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<210> 58

<211> 75

<212> RNA

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<212> DNA

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<222> (1767) .. (1767)

<223> n = any nucleotide

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<222> (1769) .. (1769)
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<222> (1812) .. (1812)

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gaatccaagg	tgtcctctcc	gcgcacacct	tatttacaca	ggcatttctt	tctcttagtt	1920
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- 19 -

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